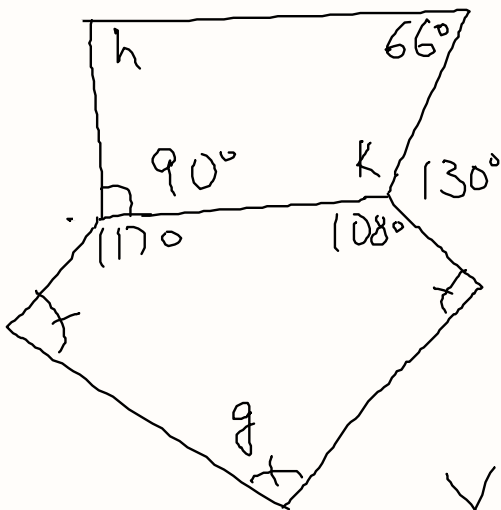


#7 p. 258



$$k = 360^\circ - (130^\circ + 108^\circ) = 360^\circ - 238^\circ = 122^\circ$$

$$h = 360^\circ - (90^\circ + 66^\circ + 122^\circ) = 360^\circ - 278^\circ = 82^\circ$$

PENTAGON
 $n=5$

$$\underline{x + x + x + 117^\circ + 108^\circ = 540^\circ}$$

$$180(n-2) = 180 \cdot 3 = 540$$

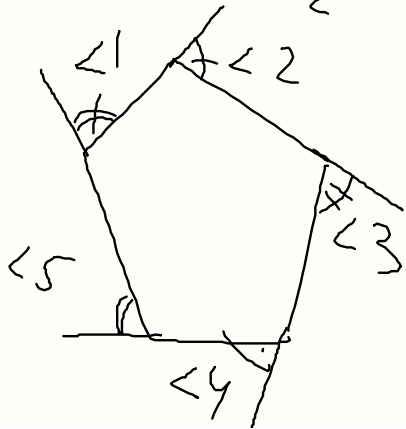
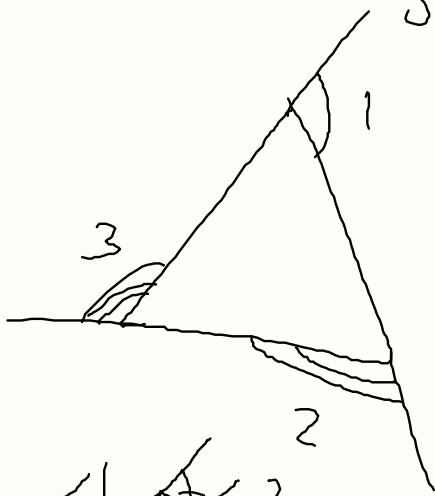
$$3x + 225 = 540^\circ$$

$$3x = 315^\circ \quad x = 105^\circ$$

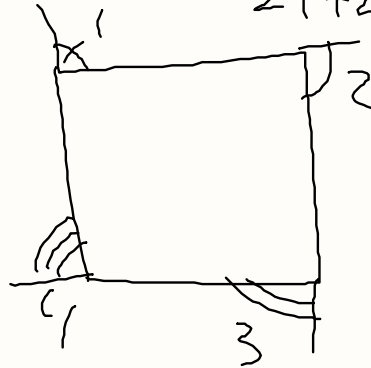
$g = 105^\circ$

EXTERIOR ANGLES OF A POLYGON
 SUM OF EXTERIOR ANGLES OF
ANY POLYGON IS 360°

$$\angle 1 + \angle 2 + \angle 3 = 360^\circ$$



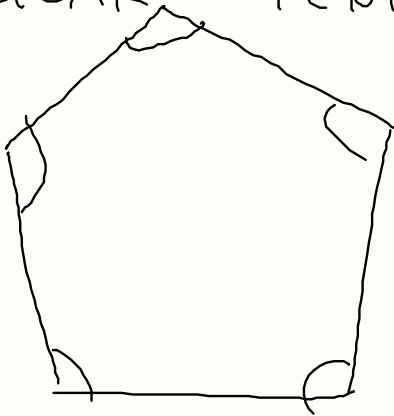
$$\angle 1 + \angle 2 + \angle 3 + \angle 4 = 360^\circ$$



$$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 = 360^\circ$$

IN A REGULAR POLYGON ALL
SIDES AND ANGLES ARE
CONGRUENT.

REGULAR PENTAGON



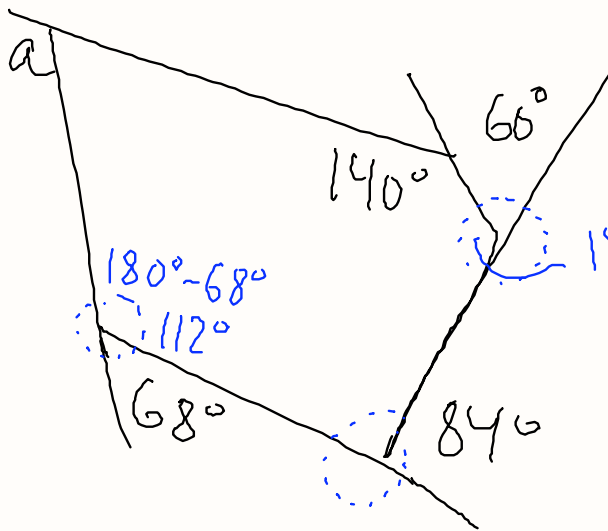
#4, 5
(6) p. 262

$$n = 5$$

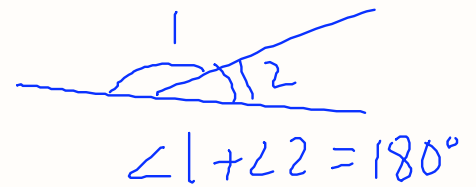
$$180^\circ(n-2) = 180 \cdot 3 = 540^\circ$$

$$\frac{540^\circ}{5} = 108^\circ$$

#1 p. 200



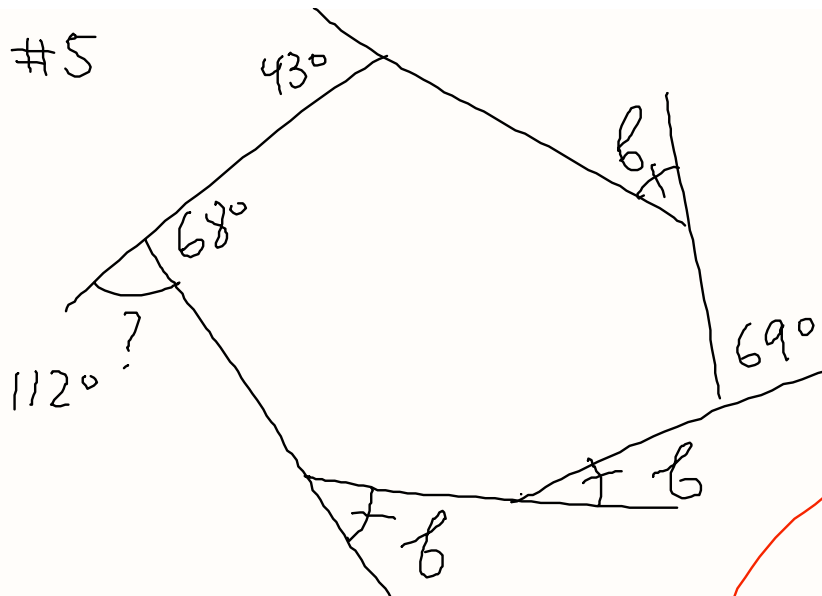
SUPPLEMENTARY



$$n = 5$$

$$180^\circ(n-2) = 180(5-2) = 180 \cdot 3 = 540^\circ$$

$$a = 540^\circ - (140^\circ + 120^\circ + 96^\circ + 112^\circ) = 72^\circ$$



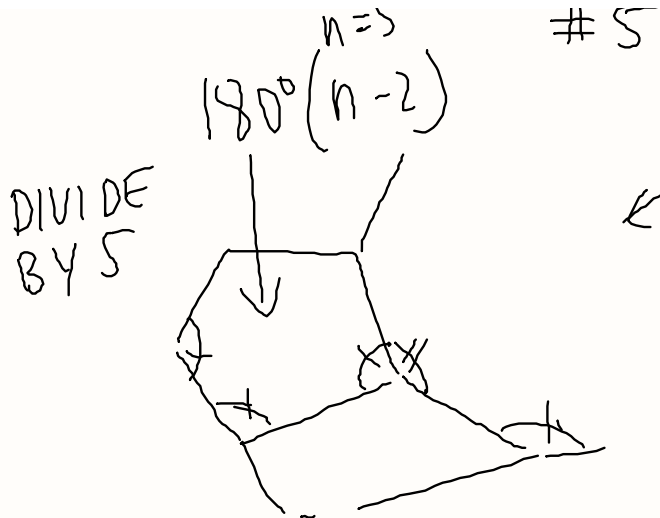
$$112^\circ + \underline{x} + \underline{x} + 69^\circ + \underline{x} + 43^\circ = 360^\circ$$

$$3x + 224 = 360^\circ$$

$$\begin{array}{r} 3x + 224 = 360^\circ \\ -224 \quad -224 \\ \hline 3x = 136 \end{array}$$

$$x = 45.3^\circ$$

HOMÉ
#7 p. 262



$180(n-2)$
 $n=8$

DIVIDE BY 8